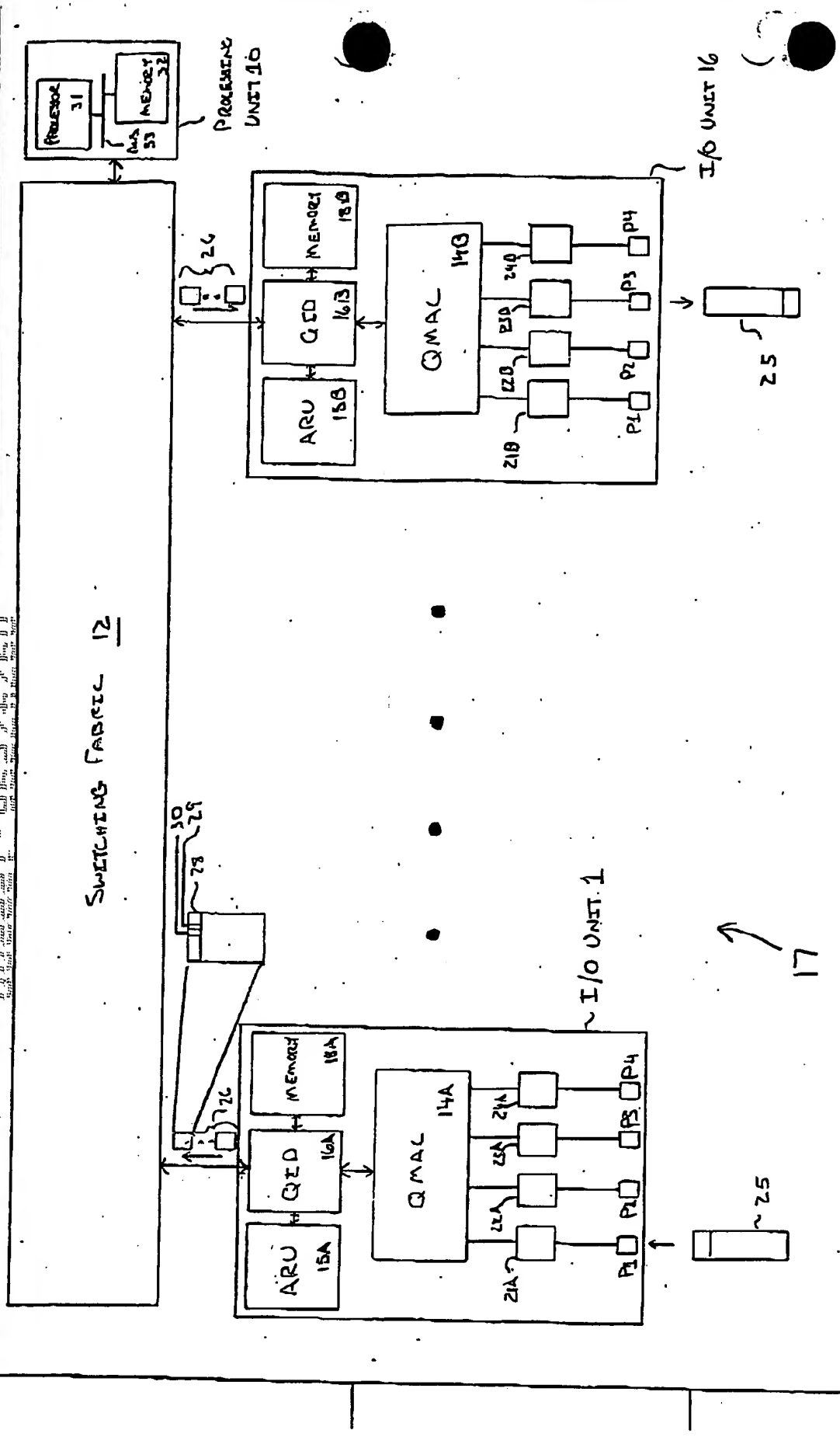


Fig. 1

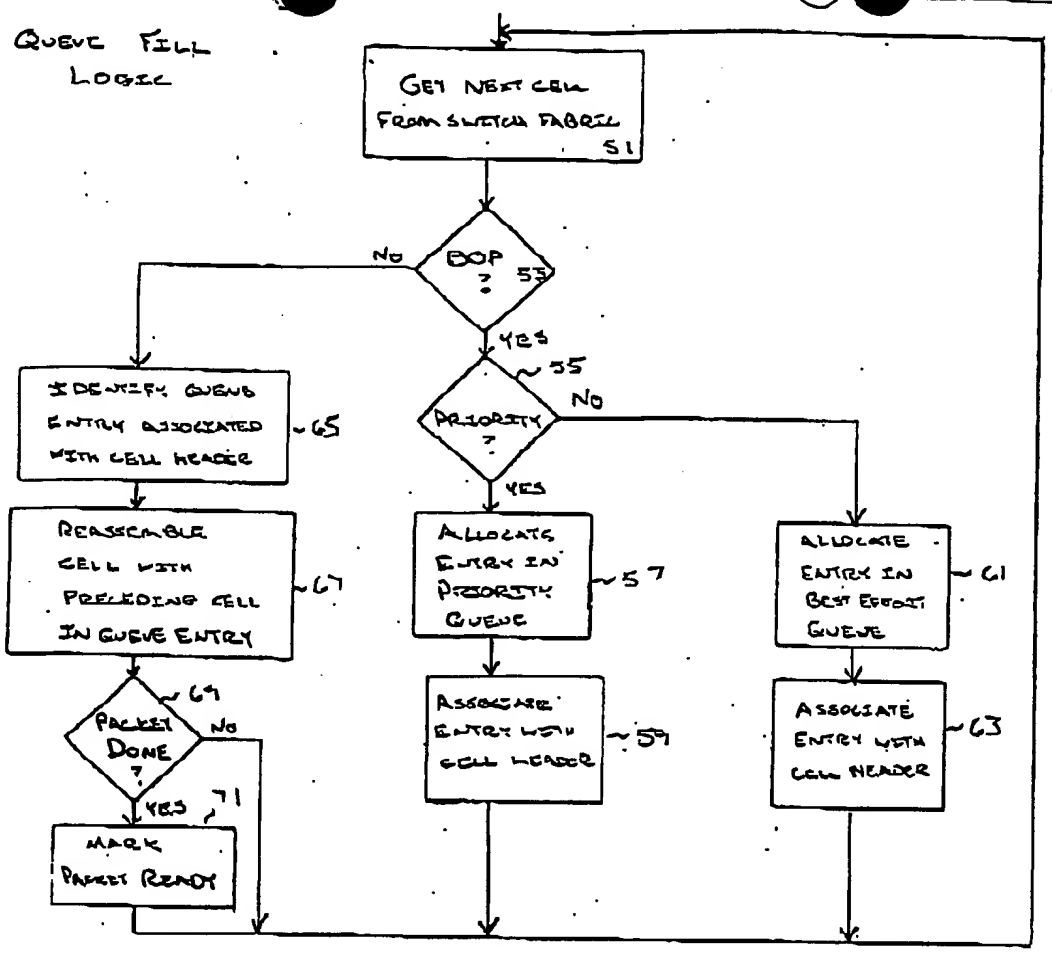


FIG. 2A

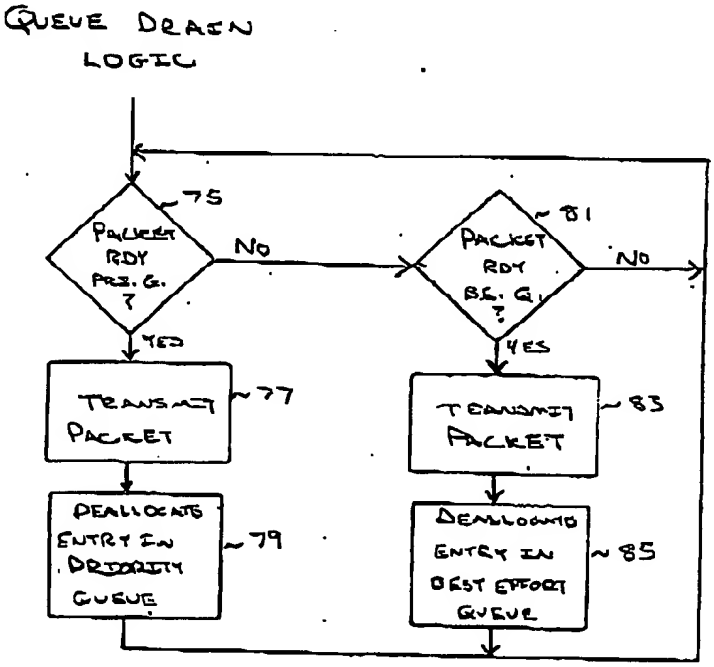
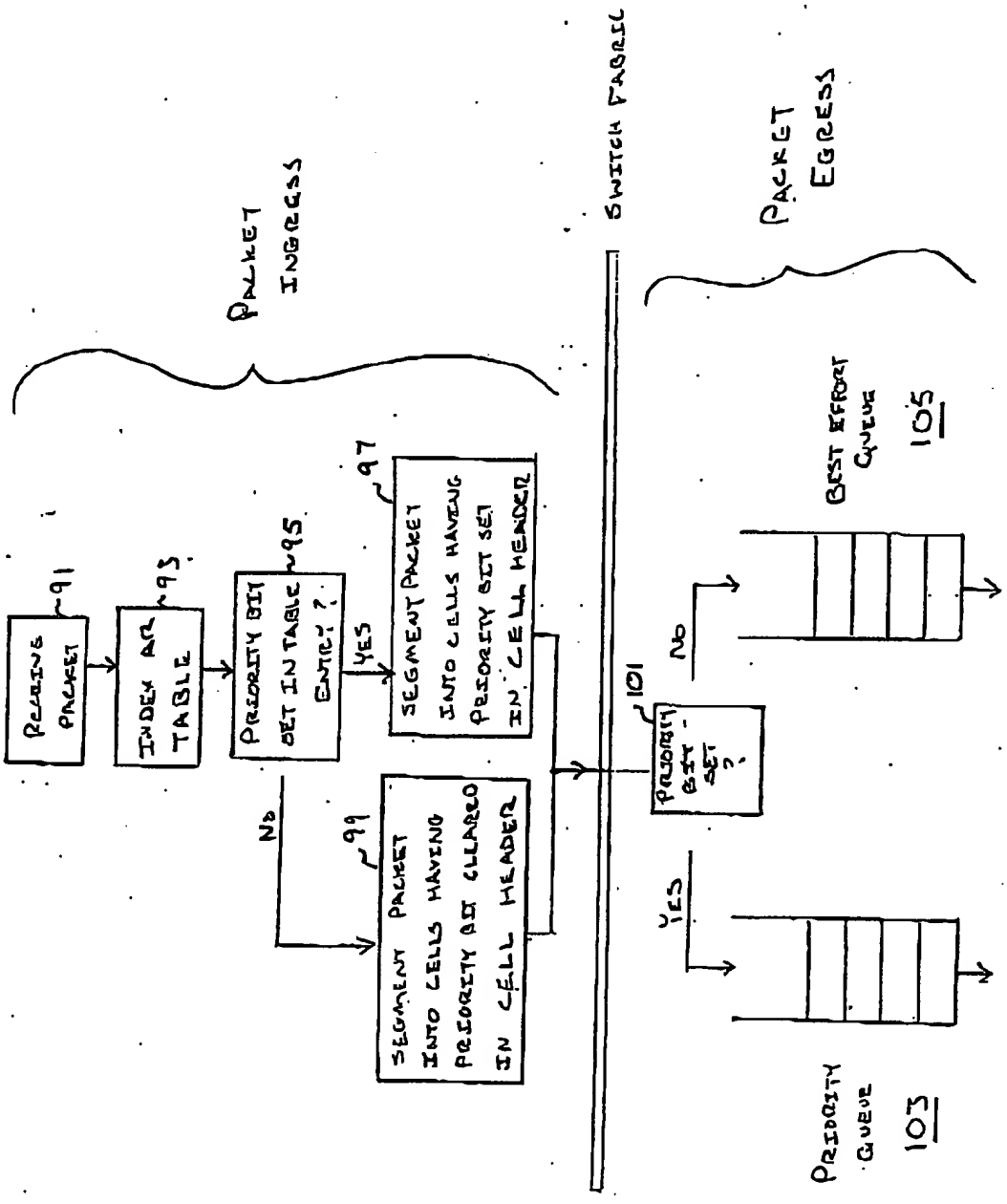


FIG. 2B

FIG. 3



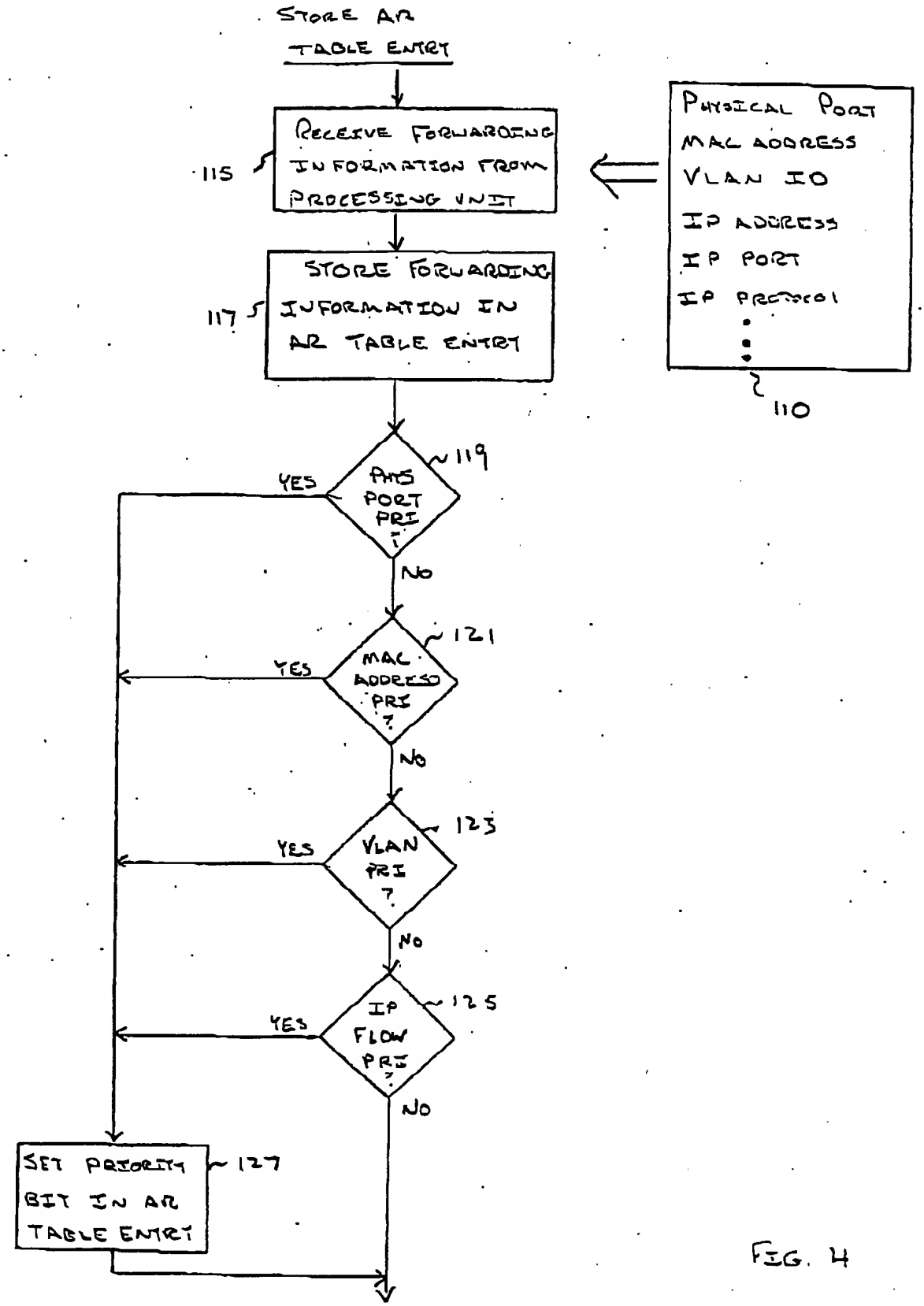


FIG. 4

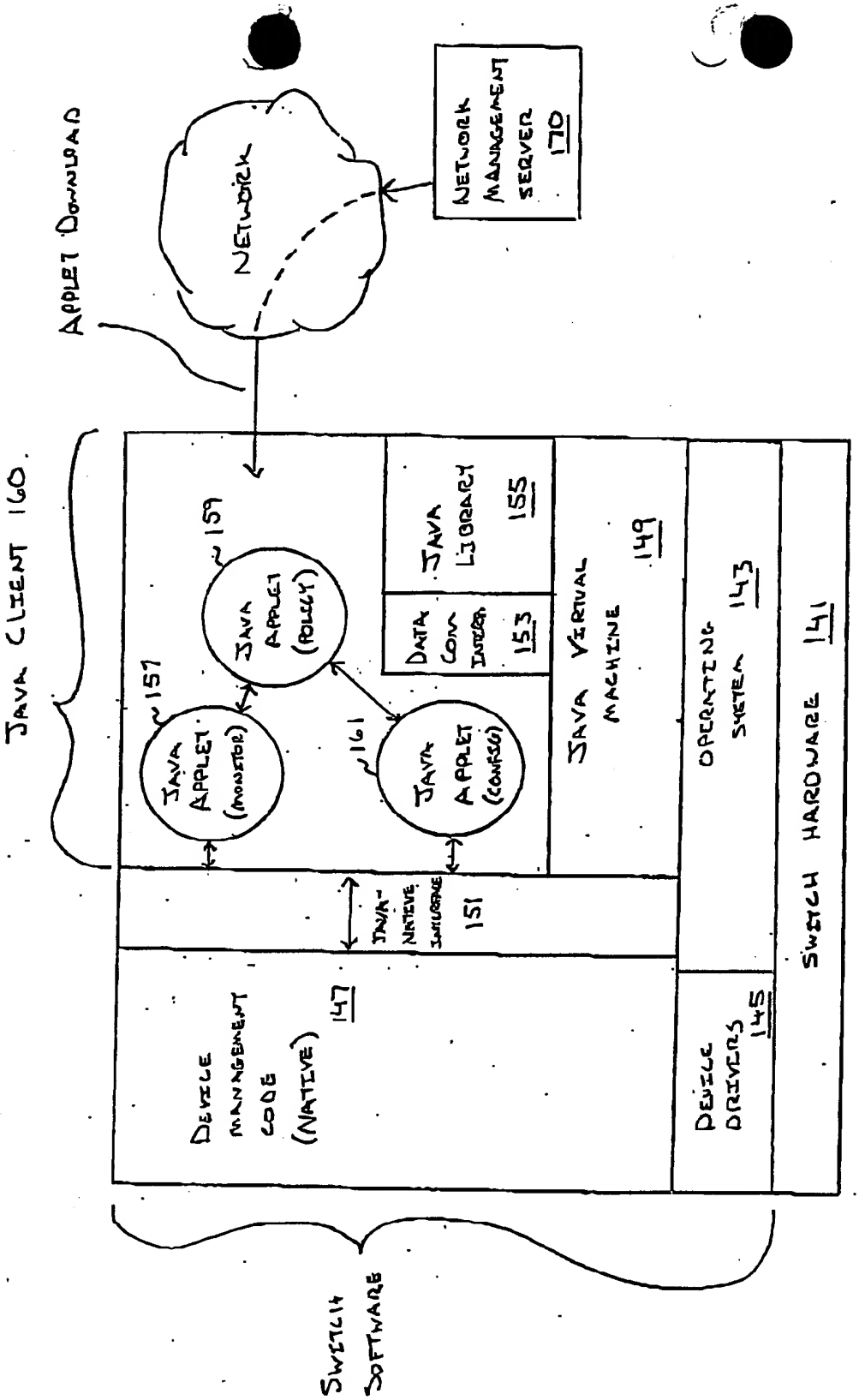


FIG. 5

```
MONITOR:
    FOREVER
    {
        READ_DEST_MAC_UTIL% (PORT1, MAC ADDR A)
        READ_DEST_MAC_UTIL% (PORT1, MAC ADDR B)
        DELAY 10MS
    }
```

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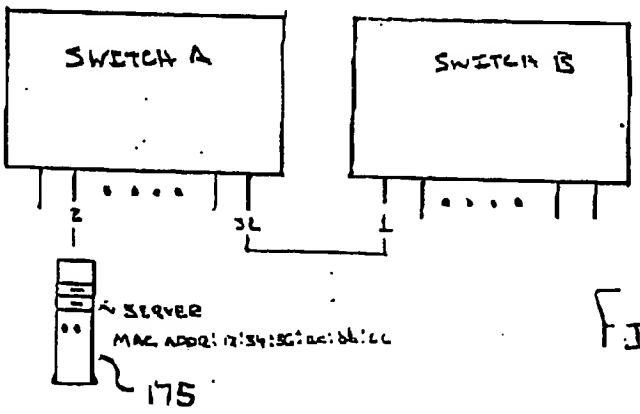

FIG. 6

```
POLICY ENFORCEMENT:
    A%: LINE UTILIZATION % MAC ADDR A
    B%: LINE UTILIZATION % MAC ADDR B
    QA_S: QUEUE ASSIGNMENT OF SERVER MAC ADDR TRAFFIC
    QA_A: QUEUE ASSIGNMENT OF MAC ADDR A TRAFFIC
    QA_B: QUEUE ASSIGNMENT OF MAC ADDR B TRAFFIC

    DELTA = 5%
    QA_S = QA_A = QA_B = PRI. Q

    FOREVER
    {
        GET A%, B% FROM MONITOR
181     IF (QA_A == PRI. Q AND QA_B == PRI. Q) AND
        ((A%+B%) >80%)
            QA_A = B.E. Q
183     IF (QA_A == B.E. Q AND QA_B == PRI. Q) AND
        ((A%+B%) < (80% - DELTA))
            QA_A = PRI. Q
185     IF (QA_A == B.E. Q AND QA_B == PRI. Q) AND
        (B% >80%)
            QA_B = B.E. Q
187     IF (QA_B == B.E. Q) AND
        (B% < (80% - DELTA))
            QA_B = PRI. Q
        DELAY 5MS
    }
```

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```
CONFIGURATION:
    QA_A: QUEUE ASSIGNMENT OF MAC ADDR A TRAFFIC
    QA_B: QUEUE ASSIGNMENT OF MAC ADDR B TRAFFIC
    LAST_QA_A: QA_A HISTORY
    LAST_QA_B: QA_B HISTORY

    LAST_QA_A = LAST_QA_B = PRI. Q

    FOREVER
    {
        GET QA_A, QA_B FROM POLICY ENFORCEMENT
        IF (QA_A != LAST_QA_A)
        {
            MOVE_VIRTUAL QUEUE (PORT1, MAC ADDR A, QA_
            LAST_QA_A = QA_A
        }
        IF (QA_A != LAST_QA_A)
        {
            MOVE_VIRTUAL QUEUE (PORT1, MAC ADDR A, QA_A)
            LAST_QA_A = QA_A
        }
        DELAY 2.5MS
    }
```

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